

Appl. No. 10/709250

Amdt. dated 05/11/2006

Reply to Office Action of 02/16/2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): An apparatus for reducing the post-detonation pressure of a perforating gun, the apparatus comprising:

[[a]]the perforating gun carrying at least one explosive charge, wherein when the explosive charge is detonated the explosive charge produces a pressurized detonation gas; and

a pressure reducer in functional connection with the perforating gun, the pressure reducer including a heat sink adapted for rapidly reducing the temperature of the detonation gas adapted to reduce the pressure of the detonation gas.

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